

## **VIAL HANDLING SYSTEM WITH IMPROVED SAMPLE EXTRACTION**

### **ABSTRACT OF THE DISCLOSURE**

A vial autosampler includes a sampling module with a sampling needle. The module is adapted to bring the sampling needle and a vial together such that the sampling needle pierces a septum on the vial. The autosampler also includes a sealing boot disposed about the sampling needle. The sealing boot engages the vial septum when the vial is fully engaged with the sample needle.